

7
RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/808,832

DATE: 07/17/2001
TIME: 09:26:33

Input Set : A:\PTO.txt
Output Set: N:\CRF3\07172001\I808832.raw

ENTERED

3 <110> APPLICANT: DuPont Pharmaceuticals Company
5 <120> TITLE OF INVENTION: Peptidase-cleavable, targeted antineoplastic drugs and their
therapeutic
6 use
8 <130> FILE REFERENCE: PH-7134
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/808,832
C--> 10 <141> CURRENT FILING DATE: 2001-03-15
10 <150> PRIOR APPLICATION NUMBER: 60/189,387
11 <151> PRIOR FILING DATE: 2000-03-15
13 <160> NUMBER OF SEQ ID NOS: 210
15 <170> SOFTWARE: PatentIn version 3.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 5
19 <212> TYPE: PRT
20 <213> ORGANISM: Artificial Sequence
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23 <221> NAME/KEY: MOD_RES
24 <222> LOCATION: (1)..(1)
25 <223> OTHER INFORMATION: 4-methoxy-benzenesulfonyl-beta-alanine
28 <220> FEATURE:
29 <221> NAME/KEY: MOD_RES
30 <222> LOCATION: (3)..(3)
31 <223> OTHER INFORMATION: homophenylalanine
34 <220> FEATURE:
35 <221> NAME/KEY: PEPTIDE
36 <222> LOCATION: (1)..(5)
37 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 433A

pep

38 tide synthesizer using readily available materials well known to
39 ordinarily skilled artisans

42 <400> SEQUENCE: 1

44 Xaa Gly Xaa Tyr Leu

45 1 5

47 <210> SEQ ID NO: 2

48 <211> LENGTH: 5

49 <212> TYPE: PRT

50 <213> ORGANISM: Artificial Sequence

52 <220> FEATURE:

53 <221> NAME/KEY: MOD_RES

54 <222> LOCATION: (1)..(1)

55 <223> OTHER INFORMATION: 1,2-C6H4(CO)2-histidine

58 <220> FEATURE:

59 <221> NAME/KEY: MOD_RES

60 <222> LOCATION: (3)..(3)

61 <223> OTHER INFORMATION: homophenylalanine

64 <220> FEATURE:

65 <221> NAME/KEY: PEPTIDE

66 <222> LOCATION: (1)..(5)

pep

67 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 433A

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68 tide synthesizer using readily available materials well known to
69 ordinarily skilled artisans
72 <400> SEQUENCE: 2
74 Xaa Gly Xaa Tyr Leu
75 1 5
77 <210> SEQ ID NO: 3
78 <211> LENGTH: 5
79 <212> TYPE: PRT
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <221> NAME/KEY: MOD_RES
84 <222> LOCATION: (1)..(1)
85 <223> OTHER INFORMATION: acetyl-proline
88 <220> FEATURE:
89 <221> NAME/KEY: PEPTIDE
90 <222> LOCATION: (1)..(5)
91 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 433A

pep

92 tide synthesizer using readily available materials well known to
93 ordinarily skilled artisans

96 <400> SEQUENCE: 3
98 Xaa Leu Gly Leu Leu
99 1 5
101 <210> SEQ ID NO: 4
102 <211> LENGTH: 5
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104 <213> ORGANISM: Artificial Sequence
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108 <222> LOCATION: (1)..(1)
109 <223> OTHER INFORMATION: acetyl-proline
112 <220> FEATURE:
113 <221> NAME/KEY: PEPTIDE
114 <222> LOCATION: (1)..(5)
115 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI

433A pep

116 tide synthesizer using readily available materials well known to
117 ordinarily skilled artisans

120 <400> SEQUENCE: 4
122 Xaa Leu Gly Leu Leu
123 1 5
125 <210> SEQ ID NO: 5
126 <211> LENGTH: 5
127 <212> TYPE: PRT
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130 <220> FEATURE:
131 <221> NAME/KEY: MOD_RES
132 <222> LOCATION: (2)..(2)
133 <223> OTHER INFORMATION: beta alanine
136 <220> FEATURE:
137 <221> NAME/KEY: MOD_RES

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Input Set : A:\PTO.txt
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138 <222> LOCATION: (1)..(1)
139 <223> OTHER INFORMATION: acetyl-proline
142 <220> FEATURE:
143 <221> NAME/KEY: PEPTIDE
144 <222> LOCATION: (1)..(5)
145 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI

433A pep tide synthesizer using readily available materials well known to
146 ordinarily skilled artisans

150 <400> SEQUENCE: 5
152 Xaa Xaa Gly Leu Leu

153 1 5

155 <210> SEQ ID NO: 6

156 <211> LENGTH: 5

157 <212> TYPE: PRT

158 <213> ORGANISM: Artificial Sequence

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162 <222> LOCATION: (2)..(2)

163 <223> OTHER INFORMATION: 4-aminobutyric acid

166 <220> FEATURE:

167 <221> NAME/KEY: MOD_RES

168 <222> LOCATION: (1)..(1)

169 <223> OTHER INFORMATION: acetyl-proline

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173 <221> NAME/KEY: PEPTIDE

174 <222> LOCATION: (1)..(5)

175 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI

433A pep tide synthesizer using readily available materials well known to
176 ordinarily skilled artisans

180 <400> SEQUENCE: 6

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183 1 5

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193 <223> OTHER INFORMATION: cyclohexylalanine

196 <220> FEATURE:

197 <221> NAME/KEY: MOD_RES

198 <222> LOCATION: (1)..(1)

199 <223> OTHER INFORMATION: acetyl-proline

202 <220> FEATURE:

203 <221> NAME/KEY: PEPTIDE

204 <222> LOCATION: (1)..(5)

205 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI

433A pep tide synthesizer using readily available materials well known to
206

RAW SEQUENCE LISTING

DATE: 07/17/2001

PATENT APPLICATION: US/09/808,832

TIME: 09:20:59

Input Set : A:\PTO.txt

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207 ordinarily skilled artisans

210 <400> SEQUENCE: 7

212 Xaa Xaa Gly Leu Leu

213 1 5

215 <210> SEQ ID NO: 8

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217 <212> TYPE: PRT

218 <213> ORGANISM: Artificial Sequence

220 <220> FEATURE:

221 <221> NAME/KEY: PEPTIDE

222 <222> LOCATION: (1)..(5)

223 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI

433A pep

224 tide synthesizer using readily available materials well known to

225 ordinarily skilled artisans

228 <400> SEQUENCE: 8

230 Pro Leu Gly Leu Leu

231 1 5

233 <210> SEQ ID NO: 9

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236 <213> ORGANISM: Artificial Sequence

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239 <221> NAME/KEY: MOD_RES

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241 <223> OTHER INFORMATION: MeOCH2CH2OCH2(=O)-proline

244 <220> FEATURE:

245 <221> NAME/KEY: PEPTIDE

246 <222> LOCATION: (1)..(5)

247 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI

433A pep

248 tide synthesizer using readily available materials well known to

249 ordinarily skilled artisans

252 <400> SEQUENCE: 9

254 Xaa Leu Gly Leu Leu

255 1 5

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259 <212> TYPE: PRT

260 <213> ORGANISM: Artificial Sequence

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263 <221> NAME/KEY: MOD_RES

264 <222> LOCATION: (1)..(1)

265 <223> OTHER INFORMATION: MeOCH2CH2OCH2CH2OCH2C(=O)-proline

268 <220> FEATURE:

269 <221> NAME/KEY: PEPTIDE

270 <222> LOCATION: (1)..(5)

271 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI

433A pep

272 tide synthesizer using readily available materials well known to

273 ordinarily skilled artisans

276 <400> SEQUENCE: 10

RAW SEQUENCE LISTING
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Input Set : A:\PTO.txt
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279 1 5
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283 <212> TYPE: PRT
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286 <220> FEATURE:
287 <221> NAME/KEY: MOD_RES
288 <222> LOCATION: (1)..(1)
289 <223> OTHER INFORMATION: H2NCH2CH2N(CH2CH2)2NCH2C(=O)-proline
292 <220> FEATURE:
293 <221> NAME/KEY: PEPTIDE
294 <222> LOCATION: (1)..(5)
295 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI

433A pep tide synthesizer using readily available materials well known to
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300 <400> SEQUENCE: 11
302 Xaa Leu Gly Leu Leu
303 1 5
305 <210> SEQ ID NO: 12
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307 <212> TYPE: PRT
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <221> NAME/KEY: MOD_RES
312 <222> LOCATION: (1)..(1)
313 <223> OTHER INFORMATION: ACHNCH2CH2N(CH2CH2)2NCH2C(=O)-proline
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317 <221> NAME/KEY: PEPTIDE
318 <222> LOCATION: (1)..(5)
319 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI

433A pep tide synthesizer using readily available materials well known to
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320 <400> SEQUENCE: 12
322 Xaa Leu Gly Leu Leu
327 1 5
329 <210> SEQ ID NO: 13
330 <211> LENGTH: 5
331 <212> TYPE: PRT
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <221> NAME/KEY: MOD_RES
336 <222> LOCATION: (1)..(1)
337 <223> OTHER INFORMATION: ACN(CH2CH2)2NCH2C(=O)-proline
340 <220> FEATURE:
341 <221> NAME/KEY: PEPTIDE
342 <222> LOCATION: (1)..(5)
343 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI

433A pep tide synthesizer using readily available materials well known to

VERIFICATION SUMMARY

DATE: 07/17/2001

PATENT APPLICATION: US/09/808,832

TIME: 09:26:54

Input Set : A:\PTO.txt

Output Set: N:\CRF3\07172001\I808832.raw

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:98 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
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L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
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L:656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
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L:716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:806 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:908 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:998 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
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L:1172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:1196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43
L:1220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
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L:1268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47

VERIFICATION SUMMARY

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Input Set : A:\PTO.txt

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L:1388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51